

Title (en)
FLOW CONTROL FOR ON-BOARD INERT GAS GENERATION SYSTEM

Title (de)
OBIGGS-FLUSSSTEUERUNG

Title (fr)
REGULATION DE DEBIT POUR SYSTEME EMBARQUE DE GENERATION DE GAZ INERTE

Publication
EP 1771332 B1 20101229 (EN)

Application
EP 05770144 A 20050719

Priority
• US 2005025565 W 20050719
• US 90146804 A 20040728

Abstract (en)
[origin: US2006021652A1] An on-board inert gas generating system includes a flow control valve modulated according to changes in ambient conditions to minimize changes to oxygen content within a fuel tank. The quality of the nitrogen-enriched air stream that is provided by the air separation module varies in response to flow. Higher flow rates through the air separation module removes less oxygen relative to lower flow rates. The amount of flow through the air separation module that produces the least amount of oxygen within the fuel tank is determined for an ambient pressure and provided by modulating the flow control valve.

IPC 8 full level
B64D 37/32 (2006.01); **B67D 7/72** (2010.01); **B65D 90/44** (2006.01)

CPC (source: EP US)
A62C 3/08 (2013.01 - EP US); **A62C 99/0018** (2013.01 - EP US); **B64D 37/32** (2013.01 - EP US); **B65D 90/44** (2013.01 - EP US); **Y10T 137/0324** (2015.04 - EP US); **Y10T 137/3127** (2015.04 - EP US)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006021652 A1 20060202; **US 7509968 B2 20090331**; AT E493337 T1 20110115; DE 602005025639 D1 20110210; EP 1771332 A2 20070411; EP 1771332 B1 20101229; EP 2332836 A2 20110615; EP 2332836 A3 20110622; EP 2332836 B1 20130626; JP 2008508136 A 20080321; JP 4531813 B2 20100825; US 2009071340 A1 20090319; US 7921869 B2 20110412; WO 2006020286 A2 20060223; WO 2006020286 A3 20060511

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